

THE COLLEGE BOARD

SAT[®] Test Directions for Students

English

Spring 2018 Testing Window Only

Notes to the Supervisor: This document should be printed and distributed once students are seated.

Students may use this document to read translations of the directions that are read aloud or printed in their test book.

Students may keep this document open and on their desk during the entire testing period.

Students may **not** be given additional time, unless approved by College Board as a separate accommodation.

Collect this document from each student at the end of testing and destroy it.

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Notes to the Student

- The following is a translation of the directions the supervisor will read aloud as well as the written directions found in your test book. These translated directions may not match word-for-word what is read by your supervisor; however, the pertinent information is the same. If you have questions about what is being read by your supervisor, please raise your hand.
- You may keep this document on your desk for the entire testing time, but must return it to the supervisor after testing.
- You may NOT use this document for scratch paper.
- At various times, your supervisor will announce the time remaining in the section, as well as breaks when appropriate. If you are testing with an approved accommodation, these announcements may differ from the timing and breaks listed in this translated document. Please listen carefully to the announcements read by your supervisor.
- If you are testing with approved accommodations, your supervisor may give you additional directions in English.
- Icons are used throughout this document to draw your attention to specific information:



Important information



Directions spoken by your supervisor



Directions found in your test book

1 Standard SAT Script

1.1 Before the Test Begins

Your supervisor will begin by saying:

- 🔊 Good morning. Today you are going to take the SAT. This is your chance to show how prepared you are for college and career.

If you have questions about any of the instructions I give you, please ask them, so that you can be sure of doing your best. If you are using printed directions that are translated, open the booklet now to follow along as I give instructions.

In this room, you will be taking the test that I have posted on the board.

Then your supervisor will say:

- 🔊 The College Board has rules that are designed to give each of you an equal opportunity to show your abilities. We will dismiss you, and College Board will invalidate the scores of anyone who tries to gain an unfair advantage by:

- Giving or receiving help of any kind on the test
- Looking through the test book before the start of the test
- Working on the wrong section or looking at a previous or future section of the test book or answer sheet
- Using a calculator during a non-calculator section
- Marking answers after time is called
- Sharing test questions or answers with anyone during or after the test
- Using any unauthorized testing aids, including phones, during testing or on breaks
- Attempting to take the test for someone else

You may also be dismissed for:

- Eating or drinking during testing (unless this has been approved as an accommodation—otherwise, eating and drinking are only permitted during breaks)
- Causing a disturbance of any kind or distracting other students
- Going to your locker or leaving the building during breaks

You will have until 11:59 p.m. Eastern Time on the 4th weekday from the end of the test to file a test day complaint. If you see any behavior that causes you concern, please notify the test supervisor, who will explain how to contact the College Board. Are there any questions?

If your school has collected students' personal belongings, your supervisor will say:

- 🔊 By this time you should have turned in all phones, or any other electronic devices. If anyone still has an electronic device of any kind, please disable any alarms, power it off, and turn it in to me now, and it will be returned to you at the end of the test.

If your school has NOT collected students' personal belongings, your supervisor will say:

- 🔊 At this time, if you have a phone, or any other electronic device in your possession, you must disable any alarms, completely power it off, and put it away under your desk until the test is over. Any electronic device that is not turned off and put away may be collected and its contents inspected as part of a thorough investigation.

Then your supervisor will say:

- 🔊 Now we're going to prepare to start the test.
- Remove everything from your desk except your pencils and acceptable calculator.
- If you brought a backup calculator or extra batteries, get those out and put them on the floor under your desk.
- Place any water bottles and snacks under your desk. Close all bags and backpacks and put them under your desk until the test is over.

When all students are ready, your supervisor will say:

- 🔊 I will take a moment now to look around and make sure you are using approved calculators.

Then your supervisor will say:

- 🔊 You may not share or exchange calculators at any time. Put your calculator under your desk now. You will not need it until a later section.

1.2 During Answer Sheet Distribution

After distributing answer sheets, your supervisor will say:

- 🔊 These are the answer sheets that you will use to mark your answers on the test. Please check to make sure your correct legal name appears on the answer sheet. Raise your hand if you have the wrong answer sheet.

If everyone has completed the required fields, your supervisor will skip to "During Test Book Distribution." If you or other students need to fill out required fields on the answer sheet, your supervisor will say:

- 🔊 Fill in your full legal name in box 1 now. If your answer sheet has a label, please check that yours shows your correct legal name. If you find any errors, raise your hand and I will give you a replacement answer sheet.

For boxes 2 and 3, your supervisor will say:

- 🔊 Find box 2. Raise your hand if you do not attend this school, and I will come over and help you answer this question. Everyone else, fill in the bubble for "Yes," and then print our school's name, city, and state. You may leave the country line blank. Look up when you are done.

In box 3, print our 6-digit school code _____ and fill in the corresponding bubbles. Look up when you are done.

If you are homeschooled, your supervisor will tell you to fill in the bubble for "No, I am homeschooled" and to enter "970000" in box 3.

For box 4, your supervisor will say:

- 🔊 Don't make marks in box 4, "Optional Code."

For box 5, your supervisor will say:

- 🔊 Fill in all 3 parts of your date of birth. Any 2-digit fields need to start with a 0 if the number is less than 10. Be sure to include the bubble for the first 2 digits of the year you were born. Raise your hand if you have any questions.

For boxes 6–10, your supervisor will say:

- 🔊 Turn to page 2, and fill in your address in boxes 6 through 9. Leave box 10 blank. Raise your hand if you have any questions. Look up when you're done.

For box 12, your supervisor will say:

- 🔊 Turn to page 2 (or page 5 of the large-block answer sheet). Fill in the bubble for your current grade in box 12.

For box 15, your supervisor will say:

- 🔊 Find box 15 on page 3 (or page 6 of the large-block answer sheet). Mark the correct bubble in box 15.

For box 23, your supervisor will say:

- 🔊 Now skip to box 23. In box 23, fill in the bubble labeled "Student ID Number," then print and bubble in your student ID number, starting with the first column to the left. You can find your student ID number in the upper left corner of the label. If there are letters in your ID number, skip them and only enter the numerals. If you don't know your student ID number, please raise your hand. Look up when you're done.

1.3 During Test Book Distribution

When all students are ready, your supervisor will say:

- 🔊 I will now distribute your test books. Do NOT open them until I tell you to.

See "Front Cover Directions" at the end of this section for a translation of the front cover.

Then your supervisor will say:

- 🔊 Check to see that both the answer sheet and test book are for the version of the SAT that I have listed on the board—SAT or SAT with Essay.

When you get the test book, turn it over and read the back cover. It has important information about timing, marking answers, and scoring.

Then your supervisor will say:

- 🔊 When you have finished reading, please look up.

Are there any questions about what you just read?

After all questions have been answered, your supervisor will say:

- 🔊 The following instructions are critical to the scoring of your test. If you don't follow my directions exactly, you may not receive a score. Listen carefully.

Make sure you are using a No. 2 pencil and that you fill in the bubbles darkly and completely on the answer sheet. If you change your response, erase it as completely as possible. Avoid making stray marks, and do not use your answer sheet for scratch work.

If you are using a large-block answer sheet, your supervisor will say:

- 🔊 If you are using a large-block answer sheet, also read the instructions on the front of the answer sheet about where and how to mark your answers. You will be marking an "X" in each relevant square rather than filling in bubbles, and the page numbers will be different from those that I announce.

See "Back Cover Directions" at the end of this section for a translation of the back cover.

When all students are ready, your supervisor will say:

- 🔊 On the back of your test book, print your last name, first name, and middle initial, if you have one.
Then print this school's code number, school name, and this room number (or name).

For the Form Code field, your supervisor will say:

- 🔊 On the back cover of your test book, find the box labeled "44-Form Code." Copy the letters and numbers onto box 44 of your answer sheet exactly as shown on the back of your test and fill in the bubbles.

For the Test ID field, your supervisor will say:

- 🔊 Now find the box labeled "45-Test ID." Copy the number onto your answer sheet in box 45.

For the Test Book Serial Number field, your supervisor will say:

- 🔊 Look at the front cover of your test book. Find the number in the upper right-hand corner of the test book labeled "Test Book Serial Number" and enter it into box 46 on your answer sheet. Fill in the corresponding bubbles.

To all students, your supervisor will say:

- 🔊 Take a moment to ensure that the Form Code, Test ID, and Test Book Serial Number fields are completed correctly. It is critical that you enter the correct codes on your answer sheet. Otherwise, you may not receive scores.

For the Testing Room Code, your supervisor may say:

- 🔊 In box 47 on your answer sheet, fill in the 3-digit testing room code I have posted for you.

OR

For the Testing Room Code, your supervisor may say:

- 🔊 Leave box 47 blank on your answer sheet.

Unless you are testing with state-allowed accommodations, your supervisor will say:

- 🔊 Now listen to this important information. If you wish to cancel your scores before you leave, ask me for a Request to Cancel Test Scores form, which you must complete before you leave the room. To cancel your scores later, you must notify the College Board in writing no later than 11:59 p.m. Eastern Time on the 4th weekday from today.

Send your signed cancellation request by overnight mail or fax. You cannot cancel your scores with an email message or phone call.

If you cancel your scores, they will still be sent to the state and district and will be accessible to your school, but they will NOT be sent to your chosen colleges or scholarship organizations or be available in College Board's reporting system.

To all students, your supervisor will say:

- 🔊 If you finish before time is called, you may check your work on this section, but you may NOT turn to any other section. You may use the test book for scratch work, but you must mark your answers on the answer sheet unless you are approved to mark them in your test book. After time has been called, you may not transfer answers from your test book to your answer sheet or fill in empty bubbles.

During testing, keep your answer sheet and test book flat in the center of your desk. If you find something wrong with your answer sheet or test book, such as a missing page, or if you realize that you have been writing answers in the wrong section of your answer sheet, raise your hand.

Finally, answer sheets and test books must never be removed from the testing room.

I will walk around the room to check your progress. I will also keep the official time for the test. You will have breaks during the test when you can leave this room to have a snack or use the restroom.

Remember, after the test has ended, no one may leave the room until I dismiss you. If you have any questions about testing procedures, please ask them now. I cannot answer questions during the timed sections of the test.

1.3.1 Front Cover Directions



The following is a translation of the front cover of your test book.

IMPORTANT REMINDERS

1. A No. 2 pencil is required for the test. Do not use a mechanical pencil or pen.
2. Sharing any questions with anyone is a violation of Test Security and Fairness policies and may result in your scores being canceled.

THIS TEST BOOK MUST NOT BE TAKEN FROM THE ROOM. UNAUTHORIZED REPRODUCTION OR USE OF ANY PART OF THIS TEST BOOK IS PROHIBITED.

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YOUR NAME (PRINT) _____

SCHOOL _____

The SAT

– You may work on only one section at a time. **The codes below are unique to your test book. Co**

- 44 Form Code

45 Test ID

The codes below are unique to your test book. Co

– Be sure to mark your answer sheet properly.

- Complete Mark:** **Incomplete Marks:**





- | | | | | | |
|--|-----|-----|-----|-----|--|
| | (n) | (n) | (n) | (n) | |
| | (S) | (S) | (S) | (S) | |
| | (*) | (*) | (*) | (*) | |

- You may use the test book for scratch work, but you will

- For each correct answer, you receive one point.


45 Test ID

1.4 Section 1: Reading Test

 *The standard time for Section 1 is **65 minutes**, with a **10-minute break** at the end of the section. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.*

A translation of the test book directions appears following the translated spoken directions.

When all students are ready, your supervisor will say:


 Once we begin, you will have 65 minutes to work on Section 1, the Reading Test. We will take a short break when this section is finished. Please keep your calculator under your desk; you won't need it for this section.

Make sure you are using a Number 2 pencil and that you fill in the entire bubble darkly and completely. If you change your response, erase it as completely as possible. If you finish before time is called, you may check your work in this section, but you may NOT turn to any other section.


Remember that you receive points for correct answers, but you don't lose points for incorrect answers. That means you should try to answer every question, even if you're not sure of the correct answer.

Please find Section 1 on your answer sheet. Be sure to mark your answers in the numbered spaces that correspond to the numbered test questions in Section 1. Now, open your test book to Section 1, read the directions, and begin work. Time starts now. Good luck.


After 30 minutes, your supervisor will say:

 You have 35 minutes remaining in this section.

After 60 minutes, your supervisor will say:

 You have 5 minutes remaining in this section.


After exactly 65 minutes, your supervisor will say:

 Stop work and put your pencil down. Close your answer sheet and place it inside the front of your test book. Close your test book and leave it on your desk. We'll take a break now for 10 minutes.

If you brought a snack, you may eat it in designated areas only. Don't go anywhere other than designated areas, the hallway, or the restroom. Don't talk in the hallway or discuss the test questions with anyone. Be considerate of those in other rooms.

We will start testing again in exactly 10 minutes.

If your school did NOT collect your personal belongings, your supervisor will say:


 You may not use a phone or any other electronic device on this break or any other break during the test. Any phones or other devices must remain turned off and put away under your desk.

1.4.1 During the Break

At the end of the break, your supervisor will say:

 Please take your seat.

1.4.2 Section 1 Test Book Directions

 *The following is a translation of the directions found at the beginning of Section 1 of your test book.*

65 MINUTES, 52 QUESTIONS (STANDARD TIME)


Turn to Section 1 of your answer sheet to answer the questions in this section.

DIRECTIONS


Each passage or pair of passages below is followed by a number of questions. After reading each passage or pair, choose the best answer to each question based on what is stated or implied in the passage or passages and in any accompanying graphics (such as a table or graph).

1.4.3 Certification Statement

When all students are ready, your supervisor will say:


 When you submit your answer sheet, you are agreeing that you will not, under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including but not limited to email, text messages, or the internet. These conditions are spelled out in the SAT School Day Student Guide and online at sat.org.

Take out your answer sheet, but leave your test book closed. Turn to the back of your answer sheet, and find box 48, the Certification Statement. After reading the paragraph of terms at the bottom, copy the statement in your usual handwriting style—print or cursive is fine. Then sign your full name as you would on an official document. Next to your signature, enter today's date. Look up when you are done.

 *The following is a translation of the Certification Statement in box 48 of your answer sheet. Copy the statement in English, not the translation given here.*


Today, I am taking one step on my path to college. I confirm I am the person listed on the answer sheet and pledge to follow the test security and fairness policies as described in the test guidelines.

1.5 Section 2: Writing and Language Test

 *The standard time for Section 2 is **35 minutes**. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.*

A translation of the test book directions appears following the translated spoken directions.


When all students are ready, your supervisor will say:

 Once we begin, you will have 35 minutes to work on Section 2, the Writing and Language Test. If you finish before time is called, you may check your work on this section, but you may NOT turn to any other section. Please keep your calculator under your desk; you won't need it for this section.


Keep your answer sheet and test book flat on your desk.

Now find Section 2 on your answer sheet. Be sure to mark your answers in the numbered spaces that correspond to the numbered test questions in Section 2. Open your test book to Section 2, read the directions, and begin work. Time starts now.


After 15 minutes, your supervisor will say:

 You have 20 minutes remaining in this section.

After 30 minutes, your supervisor will say:


 You have 5 minutes remaining in this section.

After exactly 35 minutes, your supervisor will say:

 Stop work and put your pencil down.

Place your answer sheet on the page in your test book where you stopped working. Close your test book.

1.5.1 Section 2 Test Book Directions

 *The following is a translation of the directions found at the beginning of Section 2 of your test book.*

35 MINUTES, 44 QUESTIONS (STANDARD TIME)

Turn to Section 2 of your answer sheet to answer the questions in this section.

DIRECTIONS

Each passage below is accompanied by a number of questions. For some questions, you will consider how the passage might be revised to improve the expression of ideas. For other questions, you will consider how the passage might be edited to correct errors in sentence structure, usage, or punctuation. A passage or a question may be accompanied by one or more graphics (such as a table or graph) that you will consider as you make revising and editing decisions.

Some questions will direct you to an underlined portion of a passage. Other questions will direct you to a location in a passage or ask you to think about the passage as a whole.

After reading each passage, choose the answer to each question that most effectively improves the quality of writing in the passage or that makes the passage conform to the conventions of standard written English. Many questions include a “NO CHANGE” option. Choose that option if you think the best choice is to leave the relevant portion of the passage as it is.

1.6 Section 3: Math Test – No Calculator



*The standard time for Section 3 is **25 minutes**, with a **5-minute break** at the end of the section. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.*

A translation of the test book directions appears following the translated spoken directions.

When all students are ready, your supervisor will say:

- 🔊 Once we begin, you will have 25 minutes to work on Section 3, the Math Test without Calculator. We will take a short break when this section is over.

Although this is a math section, you are NOT allowed to use a calculator on this portion of the test and must keep your calculator under your desk unless you have an approved accommodation to use a 4-function calculator.

Directions for how to grid your answer to the questions labeled “Student-Produced Responses” are in your test book. These student-produced answers may be shorter, but not longer, than 4 characters. Be sure to mark your answers in the numbered spaces that correspond to the numbered test questions in Section 3.

If you finish before time is called, you may check your work in this section, but you may NOT turn to any other section.

Please open your test book and take out your answer sheet. Keep your answer sheet and test book flat on your desk. Find Section 3 on your answer sheet. Now turn to Section 3 in your test book, read the directions, and begin work. Time starts now.

After 10 minutes, your supervisor will say:

- 🔊 You have 15 minutes remaining in this section.

After 20 minutes, your supervisor will say:

- 🔊 You have 5 minutes remaining in this section.

After exactly 25 minutes, your supervisor will say:

- 🔊 Stop work and put your pencil down.


Put your answer sheet on the page in your test book where you stopped working. Close your test book, and leave it on your desk. We'll take a break now for 5 minutes. If you brought a snack, you may eat it in designated areas only. As before, don't go anywhere other than designated areas, the hallway, or the restroom. Don't talk in the hallway or discuss the test questions with anyone. We'll start testing again in exactly 5 minutes.

1.6.1 During the Break

At the end of the break, your supervisor will say:

- 🔊 Please take your seat.

1.6.2 Section 3 Test Book Directions

 The following is a translation of the directions found at the beginning of Section 3 of your test book.

25 MINUTES, 20 QUESTIONS (STANDARD TIME)

Turn to Section 3 of your answer sheet to answer the questions in this section.

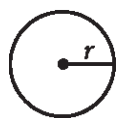
DIRECTIONS

For questions 1–15, solve each problem, choose the best answer from the choices provided, and fill in the corresponding circle on your answer sheet. **For questions 16–20**, solve the problem and enter your answer in the grid on the answer sheet. Please refer to the directions before question 16 on how to enter your answers in the grid. You may use any available space in your test booklet for scratch work.

NOTES

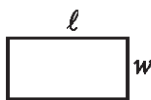
1. The use of a calculator **is not permitted**.
2. All variables and expressions used represent real numbers unless otherwise indicated.
3. Figures provided in this test are drawn to scale unless otherwise indicated.
4. All figures lie in a plane unless otherwise indicated.
5. Unless otherwise indicated, the domain of a given function f is the set of all real numbers x for which $f(x)$ is a real number.

REFERENCE

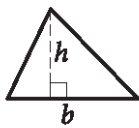


$$A = \pi r^2$$

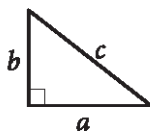
$$C = 2\pi r$$



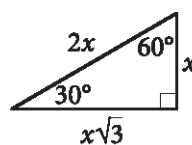
$$A = \ell w$$



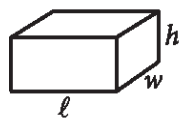
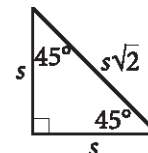
$$A = \frac{1}{2}bh$$



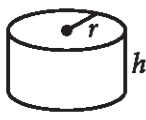
$$c^2 = a^2 + b^2$$



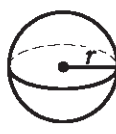
Special Right Triangles



$$V = \ell wh$$



$$V = \pi r^2 h$$



$$V = \frac{4}{3}\pi r^3$$



$$V = \frac{1}{3}\pi r^2 h$$



$$V = \frac{1}{3}\ell wh$$


The number of degrees of arc in a circle is 360.

The number of radians of arc in a circle is 2π .

The sum of the measures in degrees of the angles of a triangle is 180.

For questions 16–20, solve the problem and enter your answer in the grid, as described below, on the answer sheet.

5. **Mixed numbers** such as $3\frac{1}{2}$ must be gridded

as 3.5 or $7/2$. (If  is entered into the

grid, it will be interpreted as $\frac{31}{2}$, not $3\frac{1}{2}$.)

6. **Decimal answers:** If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid.

Answer: $\frac{7}{12}$

Write answer in boxes.

Grid in result.

Fraction line

	7	/	1	2
	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/>	0	0	0
1	1	1	<input checked="" type="radio"/>	1
2	2	2	2	<input checked="" type="radio"/>
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
<input checked="" type="radio"/>	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Answer: 2.5

Decimal point

	2	.	5	
	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
	<input type="radio"/>	0	0	0
1	1	1	1	1
2	<input checked="" type="radio"/>	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	<input checked="" type="radio"/>
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

Acceptable ways to grid $\frac{2}{3}$ are:

Three 10x4 grids showing the state of a 40-card deck after 1000, 2000, and 3000 iterations of the sorting process. Each grid has columns for suits (Spades, Hearts, Diamonds, Clubs) and ranks (Ace, 2, 3, 4, 5, 6, 7). The top row of each grid shows the current counts for each suit and rank. The bottom row shows the counts after 1000 iterations. The middle rows show the counts after 2000 and 3000 iterations.

	2	1	3
Spades	7	7	7
Hearts	7	7	7
Diamonds	7	7	7
Clubs	7	7	7
2	7	7	7
3	7	7	7
4	7	7	7
5	7	7	7
6	7	7	7
7	7	7	7

	6	6	6
Spades	7	7	7
Hearts	7	7	7
Diamonds	7	7	7
Clubs	7	7	7
2	7	7	7
3	7	7	7
4	7	7	7
5	7	7	7
6	7	7	7
7	7	7	7


	6	6	7
Spades	7	7	7
Hearts	7	7	7
Diamonds	7	7	7
Clubs	7	7	7
2	7	7	7
3	7	7	7
4	7	7	7
5	7	7	7
6	7	7	7
7	7	7	7

Answer: 201 – either position is correct

The figure shows two 4x4 grids representing the state of a 4x4 Lights Out puzzle. The left grid shows the initial state with lights 2, 0, and 1 lit. The right grid shows the state after pressing light 2, with lights 2, 0, and 1 still lit, but the state of other lights has changed.


NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.

1.7 Section 4: Math Test – Calculator

 **The standard time for Section 4 is 55 minutes.** If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.

A translation of the test book directions appears following the translated spoken directions.

When all students are ready, your supervisor will say:

 Once we begin, you will have 55 minutes to work on Section 4, the Math Test with Calculator.

You may use a calculator for this section. Please take your calculator out now and place it in the center of your desk.

When using a calculator, follow these guidelines:


- Keep it flat on your desk or hold it so that other students can't view your work.
- Do not share or exchange your calculator.
- If you brought a backup calculator or batteries, keep them on the floor underneath your desk.
- If your calculator malfunctions and you have batteries or a backup calculator, raise your hand. I will see if your substitute is acceptable. If you do not have a backup, continue to test. All math questions can be answered without a calculator.

Directions for how to grid your answer to the questions labeled “Student-Produced Responses” are in your test book. These student-produced answers can be shorter, but not longer, than 4 characters. Be sure to mark your answers in the numbered spaces that correspond to the numbered test questions in Section 4.


If you finish before time is called, you may check your work on this section, but you may NOT turn to any other section.

Please open your test book and take out your answer sheet. Keep your answer sheet and test book flat on your desk. Find Section 4 on your answer sheet. Now turn to Section 4 in your test book, read the directions, and begin work. Time starts now.


After 25 minutes, your supervisor will say:

 You have 30 minutes remaining in this section.


After 50 minutes, your supervisor will say:

 You have 5 minutes remaining in this section.

After exactly 55 minutes, your supervisor will say:

 Stop work and put your pencil down. Close your test book and answer sheet. Place your answer sheet next to your test book.

1.7.1 Section 4 Test Book Directions

 The following is a translation of the directions found at the beginning of Section 4 of your test book.

55 MINUTES, 38 QUESTIONS (STANDARD TIME)

Turn to Section 4 of your answer sheet to answer the questions in this section.

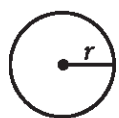
DIRECTIONS

For questions 1–30, solve each problem, choose the best answer from the choices provided, and fill in the corresponding circle on your answer sheet. For questions 31–38, solve the problem and enter your answer in the grid on the answer sheet. Please refer to the directions before question 22 on how to enter your answers in the grid. You may use any available space in your test booklet for scratch work.

NOTES

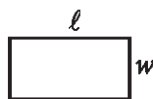
1. The use of a calculator is permitted.
2. All variables and expressions used represent real numbers unless otherwise indicated.
3. Figures provided in this test are drawn to scale unless otherwise indicated.
4. All figures lie in a plane unless otherwise indicated.
5. Unless otherwise indicated, the domain of a given function f is the set of all real numbers x for which $f(x)$ is a real number.

REFERENCE

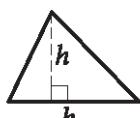


$$A = \pi r^2$$

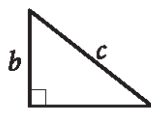
$$C = 2\pi r$$



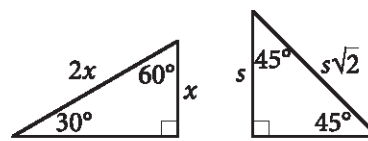
$$A = \ell w$$



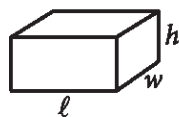
$$A = \frac{1}{2}bh$$



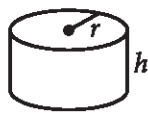
$$c^2 = a^2 + b^2$$



Special Right Triangles



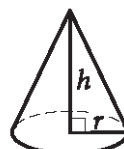
$$V = \ell wh$$



$$V = \pi r^2 h$$



$$V = \frac{4}{3}\pi r^3$$



$$V = \frac{1}{3}\pi r^2 h$$



$$V = \frac{1}{3}\ell wh$$

The number of degrees of arc in a circle is 360.

The number of radians of arc in a circle is 2π .

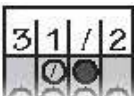
The sum of the measures in degrees of the angles of a triangle is 180.

DIRECTIONS

For questions 31–38, solve the problem and enter your answer in the grid, as described below, on the answer sheet.

- Although not required, it is suggested that you write your answer in the boxes at the top of the columns to help you fill in the circles accurately. You will receive credit only if the circles are filled in correctly.
- Mark no more than one circle in any column.
- No question has a negative answer.
- Some problems may have more than one correct answer. In such cases, grid only one answer.

- Mixed numbers** such as $3\frac{1}{2}$ must be gridded

as 3.5 or $7/2$. (If  is entered into the

grid, it will be interpreted as $\frac{31}{2}$, not $3\frac{1}{2}$.)

- Decimal answers:** If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid.

Answer: $\frac{7}{12}$

Write answer in boxes. →

7	/	1	2
●	●	●	●
0	0	0	0
1	1	●	1
2	2	2	●
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
●	7	7	7
8	8	8	8
9	9	9	9

← Fraction line

Grid in result. ←

Answer: 2.5

2	.	5
●	●	●
0	0	0
1	1	1
2	●	2
3	3	3
4	4	4
5	5	●
6	6	6
7	7	7
8	8	8
9	9	9

← Decimal point

Acceptable ways to grid $\frac{2}{3}$ are:

2	/	3
●	●	●
0	0	0
1	1	1
2	●	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9

.	6	6	6
●	●	●	●
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	●	●	●
7	7	7	7
8	8	8	8
9	9	9	9

.	6	6	7
●	●	●	●
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	●	●	●
7	7	7	●
8	8	8	8
9	9	9	9

Answer: 201 – either position is correct

2	0	1
●	●	●
0	●	0
1	1	●
2	●	2
3	3	3


2	0	1
●	●	●
0	●	0
1	1	●
2	●	2
3	3	3

NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.


1.7.2 During the Break

If you are taking the SAT with no Essay, your supervisor will skip to “After the Test.”


If you are taking the SAT with Essay, your supervisor will say:

-  Place your calculator under your desk. We’ll take a break now to stretch for 2 minutes. You may not leave the room or discuss test questions.

At the end of the break, your supervisor will say:


-  Please take your seat. I will now collect your test books. You’ll need to keep your answer sheet for the Essay section of the test. Please sit quietly while I collect and count the test books.

1.8 Section 5: SAT Essay

-  **The standard time for Section 5 is 50 minutes.** *If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.*


A translation of the statement about using your essay (on the answer sheet) and the Essay book directions appears following the translated spoken directions.

To students who are taking the SAT with Essay, your supervisor will say:

-  Open your answer sheet to the start of Section 5 on page 6 (or page 34 in the large-block answer sheet). Take a moment to read the statement about the use of your essay, then decide whether or not to mark the bubble (or square). When you have finished, please look up.


I will now give an Essay book to each of you. Please don’t open your Essay book until I tell you to do so.

When all students have an Essay book, your supervisor will say:


-  On the back of your Essay book, print your last name, first name, and middle initial, if you have one. Then print this school’s code number, _____ school name _____, and this room number (or name) _____.

Once we begin, you’ll have 50 minutes to work on Section 5, the SAT Essay. You may make notes and plan your essay on the unlined Planning Page, but anything written there will not be scored. When you’re ready, you’ll need to start writing your essay on the first lined page, which says “Begin Your Essay Here.” You must write your essay on the appropriate answer sheet pages and within the marked margins. Don’t keep writing past the word “STOP” on the last lined page, because anything written past that point will not be scored. No extra pages are allowed. You must write your essay using a Number 2 pencil. If you don’t use a Number 2 pencil, your essay will appear blank. If you leave the essay blank, you will receive an Essay score of 0.


After all questions have been answered, your supervisor will say:

-  Read the directions on your Essay book cover, and then open your Essay book and begin work. Time starts now.


After 25 minutes, your supervisor will say:

 You have 25 minutes remaining in this section.


After 45 minutes, your supervisor will say:

 You have 5 minutes remaining in this section.

After exactly 50 minutes, your supervisor will say:


 Stop work and put your pencil down. Close your answer sheet and your Essay book. Place your answer sheet next to your Essay book.

1.8.1 Answer Sheet Statement

 *The following is a translation of the statement about the use of your essay on the Planning Page of your answer sheet.*

I understand that my essay (without my name) may be reproduced in other College Board materials. If I mark this oval, I withhold my permission to reproduce my essay for any purposes beyond score reporting and the assessment of my writing skills. Marking this oval will have no effect on my score, nor will it prevent my essay from being made available to any college to which I send my SAT scores.

1.8.2 Section 5 Essay Book Directions


 *The following is a translation of the directions found on the front cover of your Essay book.*

The essay gives you an opportunity to show how effectively you can read and comprehend a passage and write an essay analyzing the passage. In your essay, you should demonstrate that you have read the passage carefully, present a clear and logical analysis, and use language precisely.


You have 50 minutes to read the passage and write an essay in response to the prompt provided inside this booklet.

2 After the Test

To all students, your supervisor will say:

 Congratulations—you just finished the test! Before I collect your test materials, please turn over your answer sheet and check that you have filled in the form code in box 44. This form code is required for scoring your test. Please raise your hand if you need help completing the box.

Then your supervisor will say:

 I will now collect your test materials. Please sit quietly until I dismiss you.

2.1 During Answer Sheet Completion

If you have completed the personal information on your answer sheet, your supervisor will collect your answer sheet and skip to “Before Student Dismissal.”

If you have not completed the personal information on your answer sheet, your supervisor may ask you to sit quietly while other students are dismissed.

When ready, your supervisor will say:

- As part of SAT School Day, you will now have a chance to answer some questions about yourself and your college plans and to select up to 4 places or programs to send your scores to.

For box 11, your supervisor will say:

- Box 11 asks for your U.S. mobile number. Only U.S. mobile numbers are accepted. By providing your number, you agree to receive text messages from the College Board about the SAT, to participate in research surveys, and to get free information on college planning services. Standard text messaging rates apply. You may opt out at any time. The College Board will not share your phone number with other organizations.

If you agree to these terms, enter your phone number. Please look up when you're done.

For box 13, your supervisor will say:

- Turn to page 3. If you'd like to get information from the College Board via email, including information about your scores once they become available online, write in your email address and fill in the corresponding bubbles in box 13. Indicate at the top of the box whether this is your own email address or a parent or guardian's address. If you give your own email address (not a parent's or guardian's) and opt in to Student Search Service at the end of this session, you may get information from colleges sent to your email address. I'll tell you more about Student Search Service in a few minutes. Please look up when you're finished.

For box 14, your supervisor will say:

- In box 14, fill in the bubble for the month you expect to graduate from high school. Then print the 2 digits for your graduation year in the boxes and fill in the corresponding bubbles.

Your supervisor will ask you to use the Student Answer Sheet Instructions to answer the remaining personal information on your answer sheet. When everyone is finished, your supervisor will collect your answer sheet and continue with "Before Student Dismissal."

2.2 Before Student Dismissal

When all students' materials have been accounted for, your supervisor will say:

- Remember, you should not, under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including email, text messages, or the internet.

If you are in the SAT with Essay room, your supervisor will say:

- In addition, you are not permitted to discuss or share today's essay question until after the essay is available online.

If your school has collected students' personal belongings, your supervisor will say:

- This test administration is now over. As you prepare to leave, please come up and retrieve your personal belongings that I collected from you earlier. Once you have all your belongings, you may exit

the room quietly. Please keep in mind that students in other rooms may still be testing.
Congratulations again and thank you for your participation and for all of your hard work.

OR

If your school has NOT collected students' personal belongings, your supervisor will say:

- 🔊 This test administration is now over. Gather your belongings, and exit the room quietly. Please keep in mind that students in other rooms may still be testing. Congratulations again and thank you for your participation and for all of your hard work.